BANG & OLUFSEN

BEOVISION MX 4500

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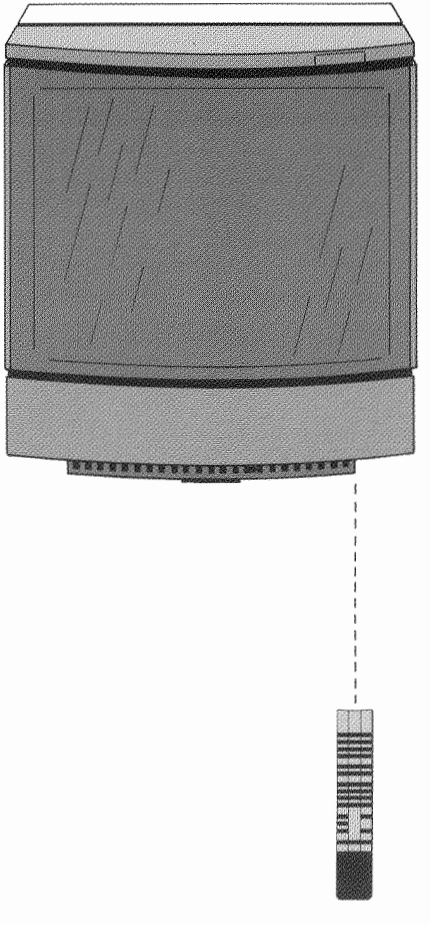
BEOVISION MX 4500

Ingenuity and advanced technology are the key factors in the development and manufacture of your new Bang & Olufsen TV-set, so naturally it produces picture and sound of exceptional quality. On top of that it has a number of equally important features which make it a versatile and safe investment.

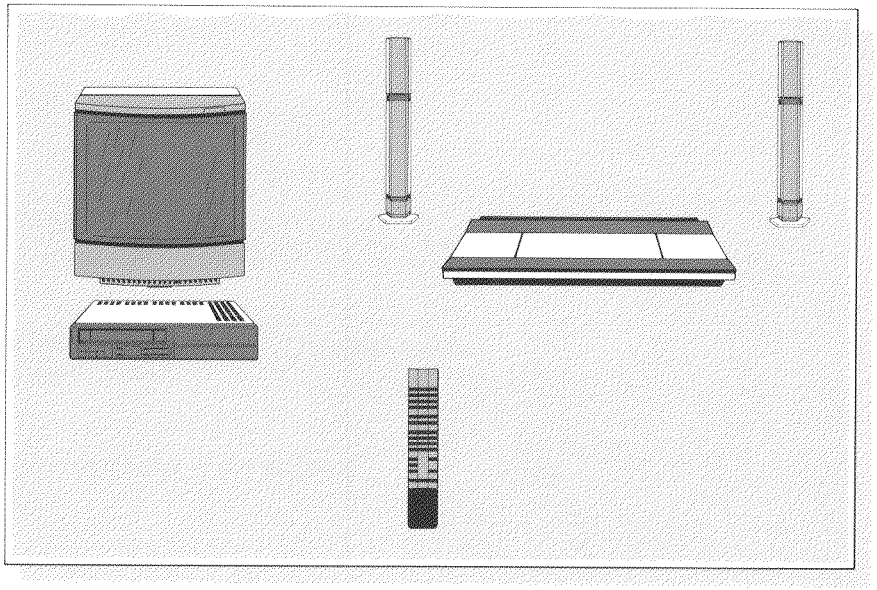
This manual explains everything you might need to know about setting up and using your TV-set.

If your Bang & Olufsen dealer has carried out the setting up and tuning process for you, you need only cast a quick glance at page 6 where you will find a brief guide to the daily functions of your TV-set.



Beolink

The Beovision MX 4500 is a Beolink product, which means that it is capable of driving the Bang & Olufsen data transfer system, Beolink. In a Beolink system video and audio products are interconnected and they can be operated using just one remote control unit - the Beolink 1000 supplied with this TV-set. For further information about setting up and operating a Beolink system, please refer to the special Beolink manuals enclosed with this TV-set. All the instructions in the Beolink setting-up manual referring to the Beovision MX 3000 also apply to the Beovision MX 4500.



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QUICK OPERATION GUIDE

This quick operation guide explains all you need to know about using the simple day-to-day functions of your TV-set.

Just make sure the TV-set is switched on and in stand-by, shown by a red light in the upper right-hand corner, or you won't be able to use the remote control.

Switch on

Press [TV].

Select preset TV stations

Key in the appropriate number or press [<] or [>] to step through the numbers.

Adjust volume

Press [^] to raise volume.
Press [v] to lower volume.

Return to preset volume level

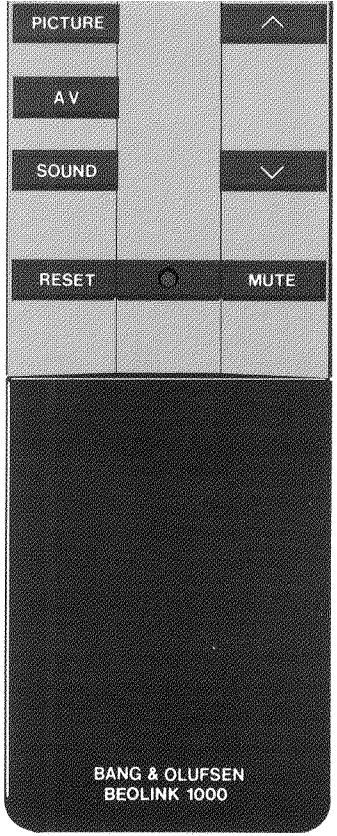
Press [RESET].

Mute the sound

Press [MUTE].
Press [MUTE] again to recall the sound.

Switch off

Press [●].
The stand-by indicator lights up again.


PICTURE
A V
SOUND
RESET
MUTE
BANG & OLUFSEN
BEOLINK 1000

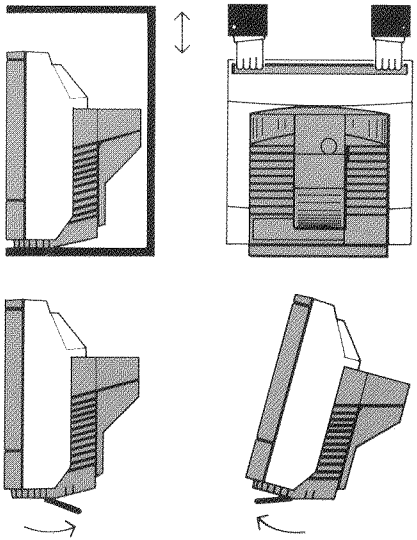
Setting up

Where to put your TV-set

The TV-set must be placed on a firm surface. Allow a space of at least 5 cm above and to the sides of the TV-set for adequate ventilation.

The TV-set may be placed in an upright position or at a slight tilt backwards. The bracket underneath the TV-set must be turned forward to make the TV-set tilt. You'll have to lift the TV-set to gain access to the bracket.

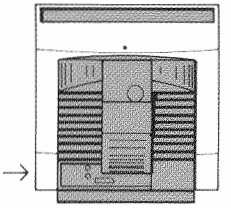
A special stand designed by Bang & Olufsen is available as an optional accessory. For further details about this stand see the section »Optional accessories«.



Connecting the aerial to the TV-set

Connect the aerial to the aerial socket on the rear panel.

If you want to connect a video to your TV-set, you must connect the aerial to the video instead. Then connect the video to the aerial socket on the TV-set using the aerial cable supplied with the video.



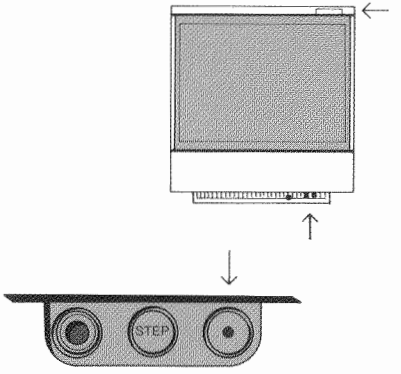
Connecting the TV-set to the mains power supply

Connect the TV-set to the mains (220-240 V) with the lead provided.

Switch the TV-set to the stand-by mode by pressing the power switch. The power switch is located underneath the loudspeaker panel.

The stand-by indicator in the upper right-hand corner lights up, indicating that the TV-set is in stand-by mode and ready to be operated with the remote control.

The button to the left of the power switch allows you to switch on the TV-set and to step through the preset TV stations.



Tuning

Just like a radio, your TV-set must be tuned to pick up the stations available in your area. Although there is no visible frequency scale on the TV-set, the principle is exactly the same, but to help you the frequencies will be displayed at the top of the screen while you search for a station.

You can preset each station found so that you don't have to go through the tuning process every time you want to watch television. The TV-set can hold up to 32 different stations in its memory on the preset numbers 0-31.

The TV-set is equipped to receive both PAL I TV signals (used in the UK only), PAL/SECAM B/G signals (used in most European countries) and SECAM L signals (used in France only).

Press [TV] *to switch on the TV-set before you start the tuning process.*

Tuning by automatic search

This tuning procedure may be used if you don't know where on the frequency scale to find the stations available in your area.

1. Press [>>] or [<<] once to start searching for a station.

2. Wait for the TV-set to find a station.

3. Press [>>] or [<<] once more if this is not the station you want.

4. Press [SHIFT], [3] to switch between the PAL I, PAL/SECAM B/G (indicated by B) and the SECAM L (indicated by L) TV systems.*

5. If you need to fine tune, press [GO TO] and then [<<] or [>>] until the picture is clear and stable.

6. Press [STORE] once.

7. Key in the number on which you want to preset the station found.

8. Press [STORE] a second time to preset the station.

Repeat this procedure to find and preset other stations.

Tuning by direct frequency selection

This tuning procedure may be used if you know on which frequencies to find the stations available in your area.

1. Press [GO TO].

2. Key in the appropriate figure for the frequency of your choice, using three digits (e.g. 075 for 75 MHz), or press [<] or [>] to step to the frequency desired.

3. Press [SHIFT], [3] to switch between the PAL I, PAL/SECAM B/G (indicated by B) and the SECAM L (indicated by L) TV systems.*

4. If you need to fine tune, press [GO TO] and then [<<] or [>>] until the picture is clear and stable.

5. Press [STORE] once.

6. Key in the number on which you want to preset the station.

7. Press [STORE] a second time to preset the station.

Repeat this procedure to find and preset other stations.

* Switching to the SECAM L system, as indicated by the letter L at the top of the screen, is required only if you are receiving French TV programmes.

PICTURE AND SOUND ADJUSTMENTS

The TV-set always switches on at specific, preset picture and sound levels. These preset levels may be adjusted and changed, if required.

If you adjust the picture and sound values whilst viewing without storing the new levels, you just have to press RESET *to return to the preset levels.*

Brilliance

Brilliance is an indication of the intensity of light on the screen. The higher the brilliance level is, the more light there is in the picture. The brilliance level ranges from a minimum of 0 to a maximum of 31. It is set at 20 when the TV-set leaves the factory.

To adjust brilliance:

1. Press PICTURE once.

2. Press ⌃ or ⌄ while the BRILLIANCE cue is visible until you reach the desired level.

3. If you want to store the new level, press STORE, PICTURE, STORE in quick succession.

Colour

Colour is an indication of the saturation of the colours. The higher the colour level is, the more saturated the colours are. The colour level ranges from a minimum of 0 (black & white) to a maximum of 60. It is set at 40 when the TV-set leaves the factory.

To adjust colour:

1. Press PICTURE twice.

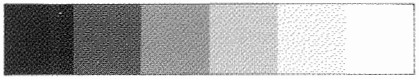
2. Press ⌃ or ⌄ while the COLOUR cue is visible until you reach the desired level

3. If you want to store the new level, press STORE, PICTURE, STORE in quick succession.

Contrast

Contrast is an indication of the difference between black and white. The higher the contrast level is, the sharper the difference is. The contrast level ranges from a minimum of 0 to a maximum of 31. It is set at 24 when the TV-set leaves the factory.

To adjust contrast:



1. Press [PICTURE] three times.

2. Press [△] or [▽] while the CONTRAST cue is visible until you reach the desired level.

3. If you want to store the new level, press [STORE], [PICTURE], [STORE] in quick succession.

Adjusting and storing brilliance, colour and contrast may be done in one go by pressing [PICTURE] only once between each adjustment, and by pressing [STORE], [PICTURE], [STORE] only after the last adjustment.

Volume

The volume level may be adjusted any time during viewing just by pressing ⋀ or ⋁ as required. The volume level ranges from a minimum of 0 (muted) to a maximum of 40.

The preset start-up level, which is the volume level at which the TV-set switches on, may also be adjusted to suit your personal taste.

To adjust the preset start-up level:

1. Press SOUND once.

2. Press ⋀ or ⋁ while the VOLUME cue is visible until you reach the desired level.

3. Press STORE, SOUND, STORE in quick succession to store the new level.

Balance

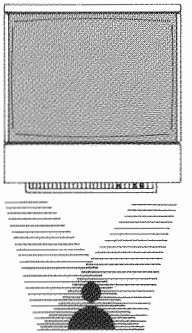
Balance is an indication of the distribution of sound emerging from the two speakers. The distribution is even when balance is set at 0.

To shift balance:

1. Press SOUND twice.

2. Press ⋀ or ⋁ while the BALANCE cue is visible.
   Pressing ⋀ removes sound from the left-hand speaker and shifts it to the right-hand speaker.
   Pressing ⋁ removes sound from the right-hand speaker and shifts it to the left-hand speaker.

3. If you want to store the new balance setting, press STORE, SOUND, STORE in quick succession.



Treble and bass

Treble and bass are indicators of the high and low tones. The medium setting of treble and bass is at 0.

To adjust treble and bass:

1. Press [SOUND] three times to obtain the TREBLE cue or four times to obtain the BASS cue.

2. Press [^] or [v] while the appropriate cue is visible until you reach the desired level.

3. If you want to store the new level, press [STORE], [SOUND], [STORE] in quick succession.

Volume control in headphones

The volume level in the headphones, if you're using them, can be adjusted independently of the TV-set's own speakers. The volume level ranges from a minimum of 0 (muted) to a maximum of 32.

To adjust the headphone volume:

1. Press [SOUND] five times to obtain the VOLUME HP cue.

2. Press [^] or [v] while the VOLUME HP cue is visible until you reach the desired level.

3. If you want to store the new level, press [STORE], [SOUND], [STORE] in quick succession.

Adjusting and storing volume, balance, treble, bass, and headphone volume may be done in one go by pressing [SOUND] only once between each adjustment, and by pressing [STORE], [SOUND], [STORE] only after the last adjustment.

Displays appearing during tuning

○ P followed by a digit (0-31) indicates the current preset number.

○ FT followed by a plus or a minus indicates the presence of a fine tune instruction.

○ F followed by three digits indicates the frequency in Megahertz (MHz) without decimals. The frequency scale in this TV-set ranges from 45 to 855 MHz.

○ B indicates that the TV-set is set for the PAL I or the PAL/SECAM B/G TV system.

○ L indicates that the TV-set is set for the SECAM L TV system.

○ A/V indicates that the preset number concerned has been prepared for video playback. Appears only if you have used the [SHIFT], [2] instruction (cf. the paragraph »Tuning the TV-set for video playback«).

If, while watching TV, you want to see the displays momentarily, press [TV].

Time display

A permanent display can be inserted in the upper right-hand corner of the TV picture to tell you the time. This facility is supplied by teletext, so in order to use it your TV-set must be provided with a teletext decoder.

While watching the TV programme, press [PLAY] (= TIME) once to see the time display. Press [PLAY] immediately again for a permanent display, and a third time to remove the display.

Displays appearing during picture and sound adjustments

○ BRILLIANCE followed by a figure (0-31) indicates the current brilliance level.

○ COLOUR followed by a figure (0-60) indicates the current colour level.

○ CONTRAST followed by a figure (0-31) indicates the current contrast level.

○ PICTURE indicates that you are in the process of storing the current brilliance, colour and contrast levels.

○ VOLUME followed by a figure (0-40) indicates the current volume level.

○ BALANCE followed by 0 or by a plus or minus figure indicates the current balance level.

○ TREBLE followed by 0 or by a plus or minus figure indicates the current level of the treble tones.

○ BASS followed by 0 or by a plus or minus figure indicates the current level of the bass tones.

○ VOLUME HP followed by a figure (0-32) indicates the current volume level in the headphones, if any.

○ SOUND indicates that you are in the process of storing the current volume, balance, treble, bass, and headphone volume levels.

Display colours

○ Green indicates the current status of the memory.

○ Yellow indicates deviations, if any, from the current status of the memory.

○ Red indicates the first stage in the storing process. i.e. when you have pressed STORE once. At this stage the storing process may still be discontinued.

USING TELETEXT

Teletext provides a wealth of useful information. Just like a book, it consists of a table of contents (main index) and numbered pages which you can look up.

Please note! The teletext functions described in this section are not applicable if your TV-set is not provided with a teletext decoder.

○ *Press* TEXT *if you want to switch to teletext.*

○ *Select another source, e.g.* TV, *if you want to leave teletext.*

Selecting pages directly

1. Press TEXT to gain access to teletext.

2. Press GO TO to proceed to the page selection function.

3. Key in the page number of your choice using 3 digits, e.g. 2 0 0, or press > or < to step forwards or backwards through the pages.

4. Repeat '3' to select other pages.

These simple functions enable you to gain access to all the information available in teletext.

Using the basic teletext functions

Returning to index page 100	Press RESET.
Superimposing the TV picture on the teletext page	Press >> (= MIX). Press >> again to remove the TV picture.
Enlarging the text	Press << (= LARGE) to enlarge the upper half of the teletext page. Press << again to enlarge the lower half of the teletext page. Press << a third time to return to normal size.
Retaining a page	Press STOP to retain the page. Press STOP again to cancel the STOP instruction.
Revealing concealed text	Press SHIFT, TURN to reveal concealed text. Press SHIFT, TURN again to conceal it.

Using the time function

This function is applicable only if the page concerned carries a time signal.

1. Select page number.

2. Press [PLAY] (= TIME).

3. Key in the time you require using four digits, e.g. [0] [9] [0] [0].

4. Press [SHIFT], [GO TO] (= UPDATE).
   The TV picture will return instantly and the cue FOUND will appear at the time you have requested.

5. Press [>>] (= MIX) to look at the page.

6. Press [PLAY] (= TIME) again to cancel the time function.

Using the update function

1. Select page number.

2. Press [SHIFT], [GO TO].
   The TV picture will return instantly and shortly after the cue FOUND will appear in the upper left-hand corner of the screen. If instead the cue UPDATE appears, indicating that the page is being simultaneously updated, proceed to step "4".

3. When the cue FOUND is on the screen, press [SHIFT] [GO TO] to ask for an update reminder. The cue FOUND will disappear, and when the page has been updated, the cue UPDATE will appear.

4. Press [>>] (= MIX) to look at the page, or press [TV] to cancel the update function.

While you are waiting for a page to appear at a specified time or for an update, don't forget that the TV-set is still in teletext mode. This means that the buttons on the remote control are still dedicated to teletext functions.